

CLAIMS:

1. A data processing arrangement comprising:
- an input circuit [INP] for forming successive groups of data [GRP] and for generating a basic control data item [BCD] and an additional control data item [SCD] for each group of data [GRP], a basic control data item [BCD] indicating for each data item one of a plurality of terminals [1, 2, 3, 4] to which the data item should be applied, and an additional control data item [SCD] indicating for each data item if this data item is valid [+] or not valid [-];
 - an interconnection network [ICN] for applying the successive groups of data [GRP] to the terminals [1, 2, 3, 4] in dependence on the basic control data item [BCD] and on the additional control data item [SCD], the interconnection network [ICN] being arranged to apply a data item to the terminal indicated by the basic control data item [BCD] if the data item is valid [+] and, if the data item is not valid [-], to apply a valid data item instead; and
 - a data processing circuit [PRC] for processing the data applied to the terminals in order to obtain an output data item.
2. A method of processing data, comprising the following steps:
- a forming step [INP] in which successive groups of data [GRP] are formed and a basic control data item [BCD] and an additional control data item [SCD] are generated for each group of data [GRP], a basic control data item [BCD] indicating for each data item one of a plurality of terminals [1, 2, 3, 4] to which the data item should be applied, and an additional control data item [SCD] indicating for each data item if this data item is valid [+] or not valid [-];
 - an application step [ICN] in which the successive groups of data [GRP] are applied to the terminals [1, 2, 3, 4] in dependence on the basic control data item [BCD] and on the additional control data item [SCD], the interconnection network [ICN] being arranged to apply a data item to the terminal indicated by the basic control data item [BCD] if the data item is valid [+] and, if the data item is not valid [-], to apply a valid data item instead; and
 - a processing step [PRC] in which the data applied to the terminals are processed in order to obtain an output data item.

3. A "computer program" product for a data processing arrangement, the "computer program" product comprising a set of instructions which, when loaded into the data processing arrangement, causes this arrangement to carry out the following steps:

5 - a forming step [INP] in which successive groups of data [GRP] are formed and a basic control data item [BCD] and an additional control data item [SCD] are generated for each group of data [GRP], a basic control data item [BCD] indicating for each data item one of a plurality of terminals [1, 2, 3, 4] to which the data item should be applied, and an additional control data item [SCD] indicating for each data item if this data item is valid [+]
10 or not valid [-];

- an application step [ICN] in which the successive groups of data [GRP] are applied to the terminals [1, 2, 3, 4] in dependence on the basic control data item [BCD] and on the additional control data item [SCD], the interconnection network [ICN] being arranged to apply a data item to the terminal indicated by the basic control data item [BCD] if the data
15 item is valid [+] and, if the data item is not valid [-], to apply a valid data item instead; and

- a processing step [PRC] in which the data applied to the terminals are processed in order to obtain an output data item.